# INDIAN PHYTOPATHOLOGY

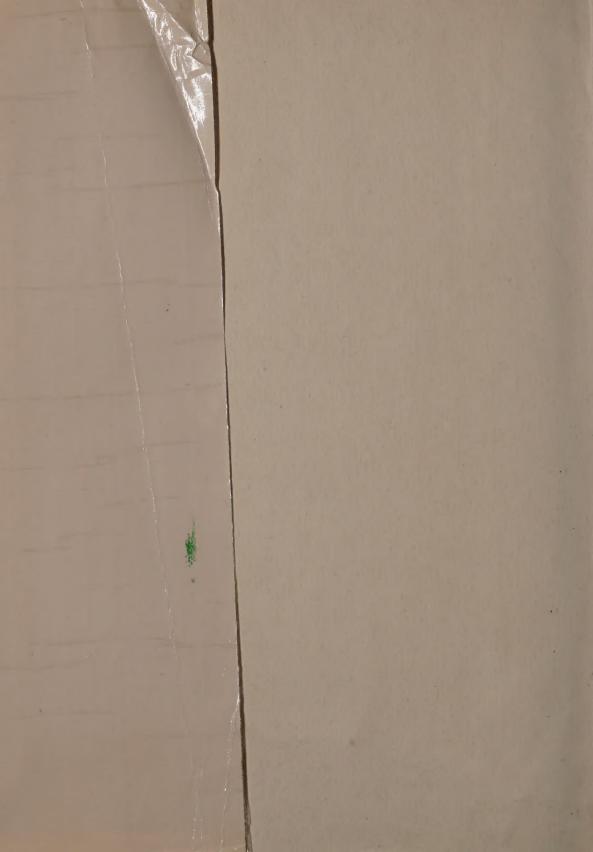
A CLASSIFIED

# INDEX

WITH NEW HOST RECORDS

(1948 - 1985)

SATISH LODHA D.V. KOTHARI



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[ 1948-1985 ]

#### SATISH LODHA

and

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## NIDHI PUBLISHERS

50 Section 7 Extension New Power House Road, Jodhpur-342 001 INDIA Published by:
R. KUMAR
Nidhi Publishers, Jodhpur.

© 1988, Satish Lodha and D. V. Kothari

Printed at: ALOK PRESS Jodhpur - 342001 INDIA

# **FOREWORD**

Indian Phytopathology, the official journal of the Indian Phytopathological Society, is now 40 years of age and it has accumulated a vast store of useful scientific data. Contents and author indices have been included in the last number of each volume, but many of the Society's 1300 members have recommended the publication of cumulative indices. It is most gratifying that the compilers have been able to respond to this perceived need. They have done a marvellous job in preparing the cumulative index to volumes 1 to 38.

The classified index is based on hosts, major diseases, major aspects of plant pathology, genera of pathogens, etc. I am sure that the index will prove to be of immense value to research workers in India and in other countries who wish to make use of the accumulated research findings of the last 40 years.

I wish to sincerely commend and congratulate the compilers of this index. They have provided a significant service to Indian plant pathology and so to Indian Agriculture. I hope that the example they have set will encourage other bright young pathologists to undertake similar tasks.

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## INTRODUCTION

Indian Phytopathology, the official journal of the Indian Phytopathological Society was first published in 1948. The journal has since completed its 38 years in 1985 contributing substantially towards the advancement of knowledge in the field of Plant Pathology. During this period a total of 4466 articles have been published by research workers from all over India and abroad. With expanding horizons and intensification of crop production, several new diseases of traditional and underexploited crops have been paid attention and aspects like phytoalexins, biochemical resistance, toxins, mycorrhiza, seed pathology, etc. have been investigated in depth. However, with the progress in the process of agricultural advancement it has become difficult for the research workers to keep abreast with their field of specialization without the aid of information retrieval.

It was this longfelt need of providing published information in Indian Phytopathology, all at one place, that the present compilation has been ventured. The Index is mainly based on major aspects of plant pathology, new host records, genera index, etc. so that the user can locate references specific to his area of interest with minimum of efforts.

We are grateful to Drs. Anupam Varma, J.P. Verma and other members of the executive council of Indian Phytopathological Society for assigning this task and for guidance during the preparation of the Index. We are thankful to Shri M. P. Singh, Entomologist, Central Arid Zone Research Institute, Jodhpur for his help in several ways. Shri Babu Lal Jain, deserves our thanks for assisting at various stages of the compilation.

In spite of our best efforts, certain errors must have crept in. We extend our apologies and shall appreciate having such omissions and errors brought to our attention.

We would consider our labour amply rewarded, if this INDEX comes to the help of research workers in their search for published information in 'INDIAN PHYTOPATHOLOGY'.

## ABOUT THE INDEX

The INDEX is divided into four parts:

CLASSIFIED SUBJECT INDEX: All the plants are classified into broad groups-Crops, Fruits, Grasses, Legumes, Oilseeds, Ornamentals, Plantation crops, Spices and Condiments, etc. Papers published on individual diseases of each crop are classified into following aspects.

Pathogen: Identification, description, symptoms, occurrence, distribution,

enzymes, etc.

Variation: Physiologic races, isolates, mutants, etc.

Losses: Effect on growth, yield components and yield.

Epidemiology: Factors influencing development of disease, ecology of the pathogen,

forecasting, etc.

Resistance: Phenotypic and genotypic resistance, screening of germ-plasm/

varieties, biochemical aspects of resistance.

Host nutrition: Effect of micro and macro nutrients, fertilizers, oil cakes, etc. on

disease development.

Physiology: Physiological and biochemical changes induced during pathogenesis

in host plant.

Nutrition: Effect of carbon, nitrogen sources, amino acids, growth regulators,

pH, etc. on the growth of pathogen.

Control : Chemical—Efficacy of fungicides/chemicals in vitro and in vivo.

: Physical—Solar or hot water treatment.

: Biological/Cultural-Crop rotation, antagonistic micro organisms,

etc.

Techniques: New methods employed for scoring, quantitative determination,

inoculation, etc.

Post harvest: Effect of pathogen during storage.

Miscellaneous: Rhizosphere mycoflora, interaction of pathogens, etc.

Aspects like antifungal/antibacterial compounds or plant extracts, actinomycetes, bacteria, fungicides, herbicides, etc. are categorized separately.

Publications on FUNGI are grouped separately under different headings. Papers related to seed pathology, seed mycoflora are grouped under 'SEED PATHOLOGY' for each crop.

NEW HOST RECORDS: First report of new host records.

GENERA INDEX: All the genera and species appearing in different papers are

listed. Fungal species reported as seed or soil mycoflora are

not included.

REFERENCES: All the 4466 references are arranged in alphabetical order on

the basis of senior author only.

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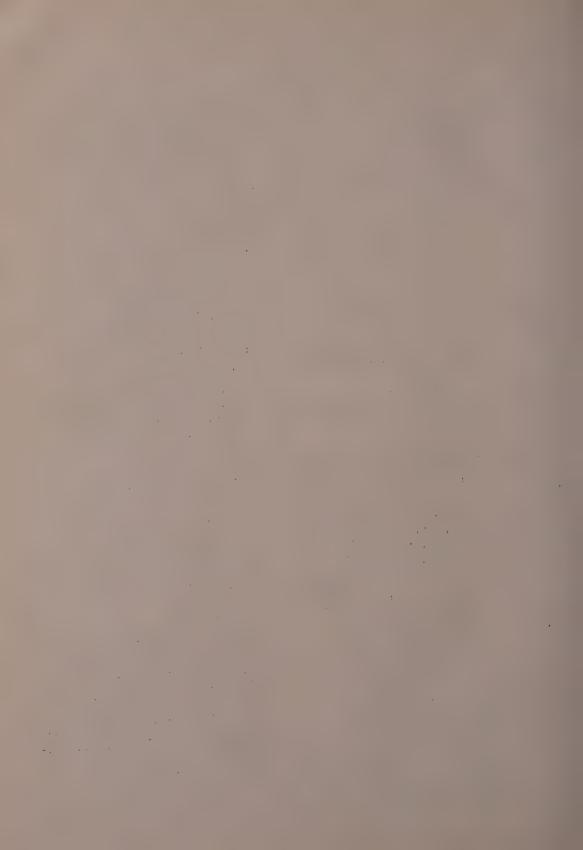
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# NEW HOST RECORDS



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Curvularia lunata (Wakker) Boedijn var aeria 1554

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Alternaria tenuissima (Kunze ex Pers.)

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Phoma tropica Schneider & Boerma
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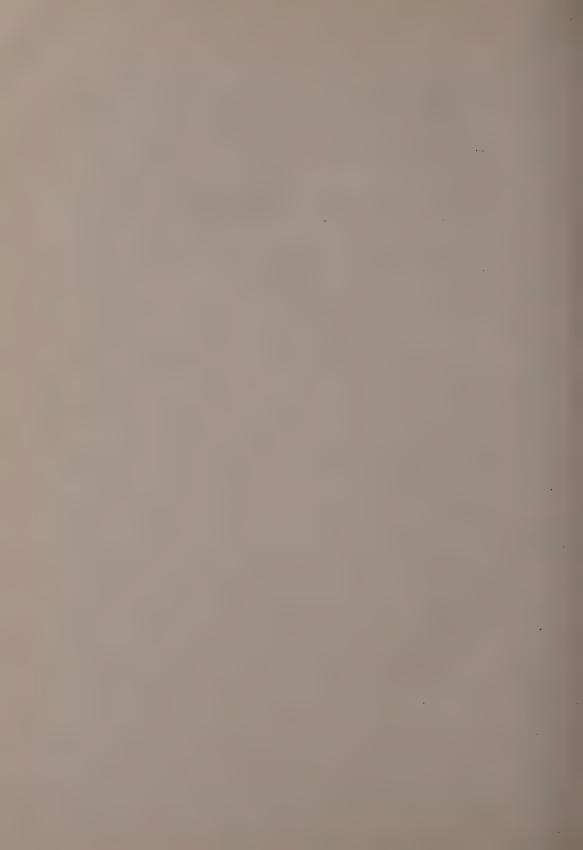
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#### Cephaleuros sp.

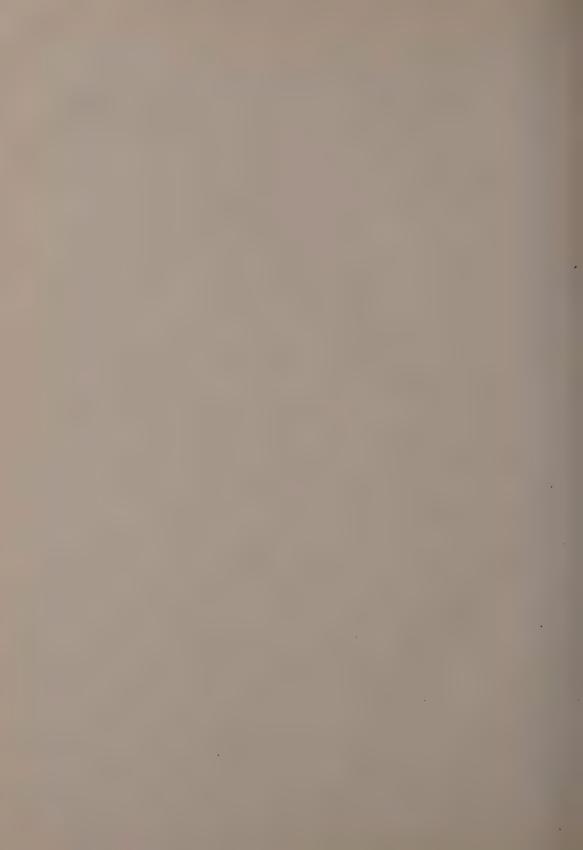
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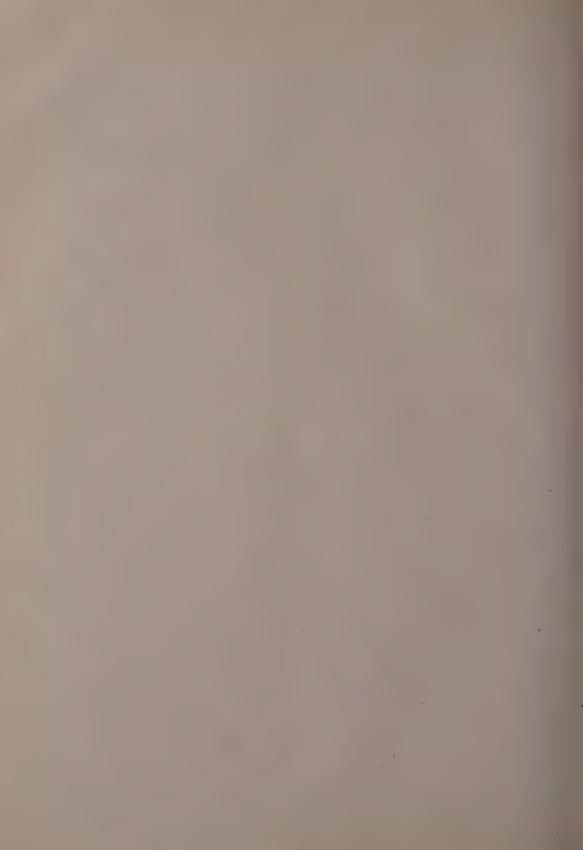
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207	3905	theobrome	theobromae
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209	3951	anthracnose	anthracnose
211	3980	S.L. Chona	B.L. Chona
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